



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

October 2, 1992

Mr. Russ Dobson
Plant Manager
Continental Lime, Incorporated
P. O. Box 266
Delta, Utah 84624

Dear Mr. Dobson:

Re: Recommendations from RDCC, Continental Lime, M/027/006, Millard County, Utah

I have attached a letter and seed mix recommendation submitted to the Division from RDCC. RDCC contacted us via our process of public notice, which we recently put into effect regarding your plan revision/expansion.

Please take note of the quzzler installment for mitigation of habitat impacts. Also, please take note of the plant species recommendations. You may want to modify your mix based on these recommendations or experiment with some of these species prior to full scale reclamation.

Sincerely,

Holland Shepherd
Senior Reclamation Specialist

jb
Attachment
M027006



Charles E. Johnson, CPA
Office Director
Brad T. Barber
Office Deputy Director
Rod D. Millar
Committee Chairman
John A. Harja
Executive Director

State of Utah
OFFICE OF PLANNING AND BUDGET
Resource Development Coordinating Committee

116 State Capitol
Salt Lake City, Utah 84114
(801) 538-1027

September 15, 1992

RECEIVED

SEP 24 1992

DIVISION OF
OIL GAS & MINING

Holland Shepherd
Division of Oil, Gas, and Mining
355 West North Temple, Suite 350
Salt Lake City, Utah 84180-1203

SUBJECT: Cricket Mountain Quarry Plan Revision
State Identifier Number: UT920828-050

Dear Mr. Shepherd:

The Resource Development Coordinating Committee, representing the State of Utah, has reviewed this plan revision. The Division of Wildlife Resources comments:

This project's impacts will result in the loss of 70 acres of high priority yearlong pronghorn antelope range, yearlong chukar range, and winter high priority chukar range.

This area is extremely dry, and could benefit greatly by the addition of guzzlers. We have worked with the BLM and have agreed to a joint recommendation of two guzzlers as mitigation. The exact locations of the guzzlers will be determined later; one will be north of the mine site, the other south. The cost will be approximately \$3,000 per guzzler. We request support for this mitigation.

Attached is a seeding procedure and seed list for their revegetation plan.

The Committee appreciates the opportunity to review this proposal. Please direct any other written questions regarding this correspondence to the Utah State Clearinghouse at the above address or call Carolyn Wright at (801) 538-1535 or John Harja at (801) 538-1559.

Sincerely,

Brad T. Barber
State Planning Coordinator

BTB/rpj
Attachment

Table 1. Revegetation prescription for disturbed areas within the **GRASSLAND** ecosystem in the **COLD DESERT** ecological association.¹

Plant Material	Pounds of Pure Live Seed/Acre
GRASS SPECIES²:	
Western wheatgrass (<u>Agropyron smithii</u>)	1.5
Intermediate wheatgrass (<u>Agropyron intermedium</u>)	1.5
Sand dropseed (<u>Sporobolus cryptandrus</u>)	0.2
Bottlebrush squirreltail (<u>Sitanion hystrix</u>)	1.0
Indian ricegrass (<u>Stipa hymenoides</u>)	1.0
Galleta (<u>Hilaria jamesii</u>)	1.0
Needle-and-thread grass (<u>Stipa comata</u>)	1.0
Russian wildrye (<u>Elymus junceus</u>)	1.0
Paiute orchardgrass (<u>Dactylis glomerata</u>)	0.5
FORB SPECIES³:	
Northern sweetvetch (<u>Hedysarum boreale</u>)	1.0
Small burnet (<u>Sanguisorba minor</u>)	1.0
Gooseberryleaf globemallow (<u>Sphaeralcea grossulariifolia</u>)	0.5
Scarlet globemallow (<u>Sphaeralcea coccinea</u>)	0.5
Eaton penstemon (<u>Penstemon eatonii</u>)	0.5
Lewis flax (<u>Linum lewisii</u>)	1.0
TOTAL	13.2
SHRUB AND TREE SPECIES⁴:	
None recommended from seeding due to competition with grass and forb species	
NURSERY OR TRANSPLANT STOCK⁵:	
Fourwing saltbush (<u>Atriplex canescens</u>)	STEMS/ACRE (SPACING) Plant 242 of each species per acre. Random placement should be 6 feet apart to reach a goal of 1,210 stems/acre. Consideration could also be given to establishing the stock in windbreak alignments.
Basin big sagebrush (<u>Artemisia tridentata tridentata</u>)	
Winterfat (<u>Eurotia lanata</u>)	
Longflower snowberry (<u>Symphoricarpus longiflorus</u>)	
Cliffrose (<u>Purshia mexicana</u>)	

¹Note attachment: Recommended guidelines for seedbed preparation and planting techniques in the **COLD DESERT** ecological association.

²Alternate grass species: Pubescent wheatgrass (Agropyron intermedium trichophorum), Thickspike wheatgrass (Agropyron dasystachyum), Alkaliscaton (Sporobolus airoides), Spike dropseed (Sporobolus contractus),

³Alternate forb species: Redstem filaree (Erodium cicutarium), Showy goldeneye (Heliomeris multiflora), Palmer penstemon (Penstemon palmeri), Creeping penstemon (Penstemon linarioides), Alfalfa (Medicago sativa)⁶, Yellow sweetclover (Melilotus officinalis)⁶

⁴Alternate shrub and tree species: None recommended from seeding due to competition with grass and forb species

⁵Alternate nursery or transplant stock: Gardner saltbush (Atriplex gardneri), Wyoming big sagebrush (Artemisia tridentata wyomingensis), Green Mormon-tea (Ephedra viridis), Spiny hopsage (Grayia spinosa), Pigmy sagebrush (Artemisia pygmaea), Bitterbrush (Purshia tridentata)

⁶Use only if soil is low in nitrogen content